

Safety data sheet
according to 1907/2006/EC, Article 31

PLANATOL WETZEL

Printing date 02.11.2015

Revision: 02.11.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** **PUR 2880**
- **Article number:** 066023
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Planatol Wetzel GmbH
Fabrikstraße 30 - 32
83101 Rohrdorf
Email: info@planatol.de
Tel.: +49 (8031) 720-0
- **Informing department:** Product safety department.
- **1.4 Emergency telephone number:** Infraseriv GmbH & Co. Höchst KG
+49 69 305 6418

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2 H351 Suspected of causing cancer.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS08

- **Signal word**
- **Hazard-determining components of labelling:**
- **Hazard statements**

Danger

methylenediphenyl diisocyanate

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

- **Precautionary statements**

P285 In case of inadequate ventilation wear respiratory protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:**

Contains isocyanates. May produce an allergic reaction. product is not subject to classification

· **vPvB:**

Not applicable.

Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:**

Hotmelt adhesive based on polyurethane prepolymers containing isocyanate groups

· **Dangerous components:**

CAS: 26447-40-5

EINECS: 247-714-0

methylenediphenyl diisocyanate

2.5-10%

⚠ Resp. Sens. 1, H334; Carc. 2, H351; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation**

Supply fresh air after inhalation of vapours from the molten product

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

· **After skin contact**

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product away from the skin.

Consult a doctor

· **After eye contact**

Instantly wash with water and soap and rinse thoroughly.

Rinse opened eye for several minutes under running water.

Then consult doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Information for doctor**

present this safety data sheet

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents**

foam, extinguishing powder, CO₂

Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents**

water jet (with molten product)

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- **5.2 Special hazards arising from the substance or mixture** *Can be released in case of fire:
Carbon monoxide (CO), Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Isocyanate vapours*
- **5.3 Advice for firefighters** *Wear self-contained breathing apparatus.*
- **Protective equipment:** *Collect contaminated fire fighting water separately. It must not enter drains.*
- **Additional information**

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Ensure adequate ventilation*
- **6.2 Environmental precautions:** *No special measures required.*
- **6.3 Methods and material for containment and cleaning up:** *Allow to solidify. Collect mechanically.
Collect mechanically.*
- **6.4 Reference to other sections** *See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.*

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Ensure good ventilation/exhaustion at the workplace.*
- **Information about protection against explosions and fires:** *No special measures required.
Protect from heat.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *Keep container tightly closed; store cool and dry at a well-ventilated place*
- **Information about storage in one common storage facility:** *Store away from foodstuffs.*
- **Further information about storage conditions:** *Protect from heat and direct sunlight.*
- **Storage class** *11 (VCI-concept)*
- **7.3 Specific end use(s)** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** *No further data; see item 7.*
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** *The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

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- **Additional information:** *The lists that were valid during the compilation were used as basis.*

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
 - Keep away from foodstuffs, beverages and food.*
 - Take off immediately all contaminated clothing*
 - Wash hands during breaks and at the end of the work.*

- **Breathing equipment:**
 - Local exhaust above glue basin is necessary*
 - In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.*
 - Filter ABEK*

- **Protection of hands:**
 - Heat resistant gloves*
 - Protective gloves (EN 374)*
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- **Material of gloves**
 - Nitrile rubber, NBR*
 - Strong gloves*
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

- **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- **Eye protection:** *Not required.*
- **Body protection:** *Protective work clothing.*

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** *Solid.*
 - Colour:** *milky white*
 - Odour:** *Characteristic*
 - Odour threshold:** *Not determined.*
- **pH-value:** *Not applicable.*
- **Change in condition**
 - Melting point/Melting range:** *ca. 44 °C (rheol.)*
 - Boiling point/Boiling range:** *Not determined*
- **Flash point:** *> 220 °C*
- **Inflammability (solid, gaseous)** *Not determined.*

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· Ignition temperature:	> 400 °C
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Oxidising properties	product is not oxidising
· Vapour pressure:	Not applicable.
· Density at 20 °C	1.1 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Unsoluble
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic at 130 °C:	ca. 3700 mPas (Haake RS 6000)
kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No decomposition in case of storage and handling in accordance with the intended application
· 10.2 Chemical stability	Reaction with humidity; no dangerous reaction known when used in accordance with the intended application.
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	Reaction with humidity; no dangerous reaction known when used in accordance with the intended application.
· 10.4 Conditions to avoid	Reaction with water and substances containing active hydrogen.
· 10.5 Incompatible materials:	not known
· 10.6 Hazardous decomposition products:	Possible in case of over-heating: Carbon monoxide and carbon dioxide isocyanate vapours

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects	no data available
· Acute toxicity:	
· Primary irritant effect: on the skin:	No irritant effect.

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- **on the eye:** No irritant effect.
- **Sensitisation:** Sensitization possible by inhalation.
Sensitization possible by skin contact.
- **Additional toxicological information:** In case of insufficient fresh air ventilation and permanent or repeated exposition acute health hazards by inhalation of vapours from the molten product cannot be excluded.
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** Carc. 2

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** In connection with water the product transforms at the surface into inert polyurea under formation of carbon dioxide.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Other information** Do not discharge product uncontrolled into the environment
- **Ecotoxicological effects:**
- **Remark:** If appropriate low concentration are introduced to biological treatment plants no inhibition of the degradation activity of the activated sludge is to be anticipated.
local water management regulations have to be observed
- **Other information:**
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** no data available
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal according to local regulations.
Must not be disposed of together with household garbage.
Do not allow product to reach sewage system.
- **Waste disposal key number:** According to the European waste listing (Europäischer Abfallkatalog EAK), no waste key code can be determined as such a code depends on the individual application of the product by its user. The national and local legal guidelines are to be observed.
- **Uncleaned packagings:**
- **Recommendation:** Packaging can be reused or recycled after cleaning.

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SECTION 14: Transport information

· 14.1 UN-Number	not applicable
· ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name	not applicable
· ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	not applicable
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	not applicable
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	-

SECTION 15: Regulatory information

· National regulations					
· Technical instructions (air):	<table border="1"> <thead> <tr> <th>Class</th> <th>Share in %</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>4.0</td> </tr> </tbody> </table>	Class	Share in %	I	4.0
Class	Share in %				
I	4.0				
· Water hazard class:	Generally not hazardous for water.				
· 15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.				

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer.
· Department issuing data specification sheet:	Planatol Wetzel GmbH info@planatol.de
· Contact:	S.o.
· Abbreviations and acronyms:	ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

*** Data compared to the previous version altered.**

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